

# BK-9

BACKING KEYBOARD

## PERFORMANCE Editor

### User's Guide



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# What is BK-9 Performance Editor?



**BK-9 Performance Editor** is an application that allows you to graphically control various aspects of the Roland BK-9 Backing keyboard.

The Roland BK-9 is a powerful backing keyboard with many functions and parameters. This Editor will help you to edit the parameters related to your performances in an easy and comfortable way.

In addition, each parameter that you will change by using the Performance Editor application will be immediately available in BK-9, in real time. Vice versa each parameter changed in the BK-9 will be reflected in the Performance Editor.

## **BK-9 Performance Editor highlights:**

- Graphical user interface providing a fast and intuitive way to edit many BK-9 parameters related to Tones, Effects and real-time keyboard parts.
- A MIXER environment allows you to balance the various Keyboard parts of your BK-9 in real time.
- You can adjust the Volume of keyboard parts including Reverb, Chorus and Panpot effects.
- You can handily control settings of the multi-effect processors (MFX1, MFX2), including Chorus and Reverb.
- You can comfortably adjust the distinctive parameters of most tones available in BK-9.
- You can swiftly set all the functions that can be assigned to the hand and foot controllers in BK-9.

## **NOTE**

This guide contains instructions about how to use the BK-9 Performance Editor. For detailed information about the BK-9 parameters, please refer to the supplied BK-9 Owner's Manual.

# Connecting your equipment



## What do you need to use BK-9 Performance Editor?

### MIDI cable connection

- A **BK-9 Backing Keyboard** equipped with the software version 1.06 or later.
- An Apple iPad Camera Connection Kit (Camera connectors made by Apple Inc.)
- A standard USB cable (type A–male - type B–male: commercially available)

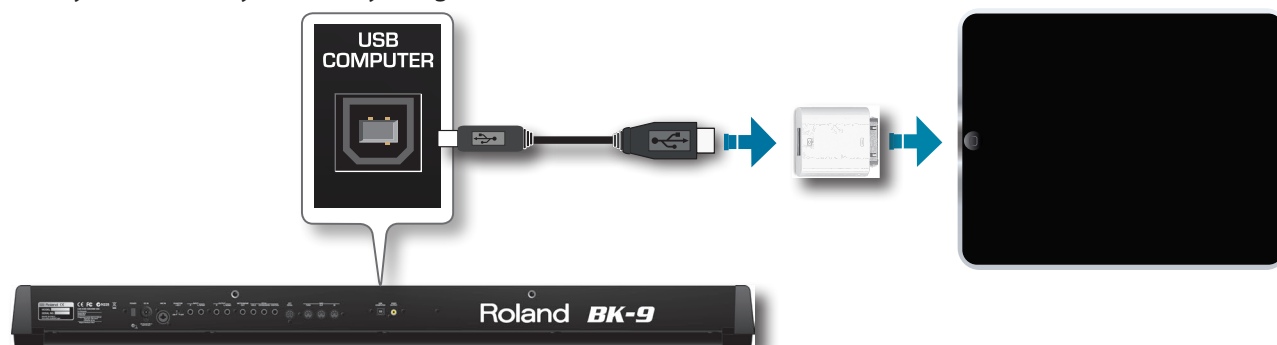
### Wireless connection

- A **BK-9 Backing Keyboard** equipped with the software version 1.06 or later.
- A wireless USB adapter (Roland WNA1100-RL)
- A wireless LAN access point (such as a wireless LAN router) that supports WPS

You can choose either a standard or a wireless connection between your iPad and your BK-9. You can connect several BK-9 instruments to your iPad, even though the interaction occurs only in one combination at a time.

### MIDI cable connection

1. Connect your iPad with your BK-9 by using a USB iPad camera connector and a USB cable.



### Wireless Connection

1. Simply connect the WNA1100-RL Wireless USB Adaptor to the USB port of your BK-9, and launch BK-9 Performance Editor.

For details about Wireless function see "Wireless LAN Function" in BK-9 owner's manual.



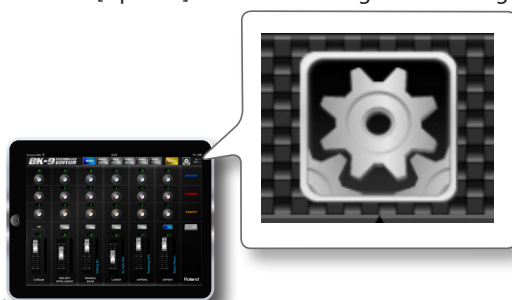
# Before You Start Using BK-9 Performance Editor

1. Connect your BK-9 and your iPad. See *"Connecting your equipment" (p. 5)*.
2. Turn your BK-9 and your iPad on.
3. Press the **BK-9 Performance Editor** icon on your iPad to open this app.  
**BK-9 Performance Editor** checks the available devices. At the end the following page appears:



If **BK-9 Performance Editor** finds no available device,

- a. Press the [Options] button to check general settings and the available devices.



The following page appears:



If you didn't choose a MIDI cable connection, a list of the available wireless devices is shown. If several BK-9 instruments are available for connection, we suggest to set a Wireless ID in the range of 1–99 in every BK-9 unit. This way the BK-9 Performance Editor will be able to list all the available devices according to their code numbers (e.g. BK-9\_1, BK-9\_2, BK-9\_3, etc.).

- b. Select your desired device.

# Using Controls

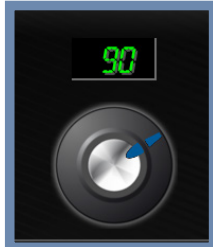


All the controls in [BK-9 Performance Editor](#) were especially designed to provide maximum flexibility and convenience.

## Knob operation

The Knobs control most parameters with continuous values, such as Reverb, Chorus, Cutoff and many other effects.

### Coarse Control



To move a knob, simply touch the knob (it will retain focus) with your finger and slide your finger up or down.

Its corresponding value box is updated with the current value.

### Fine Control

To finely control values, touch the knob (it will retain focus) with your finger, slide your finger to the left or right of the knob and then slide it up or down.

Its corresponding value box is updated with the current value.

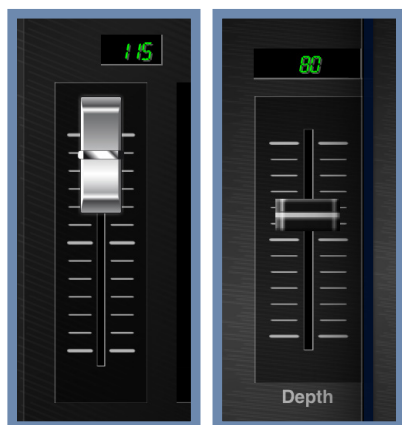
### Default Value

Press the knob twice to restore the default value.

## Slider operation

The Sliders control the Volume for each real time part and other parameters.

To move a slider, simply touch it (it will retain focus) with your finger and slide it up or down. Its corresponding value box is updated with the current value.



### Default Value

Press the slider twice to restore the default value (This is not true for Volume sliders).

## Button Operation

Button Type	Explanation
	<p>Some buttons allow you to select the groups of parameters that you want to edit ([MIXER], [PARTS EDITOR], [MFX EDITOR], [TONE EDITOR], [HAND CTRLS] and [FOOT CTRLS]).</p> <p>These buttons are mutually exclusive; one is always selected.</p>
	<p>Some buttons work as ON/OFF switch of parameters. When the parameter is ON the button is highlighted.</p> <p>Some other buttons open pop-up windows, where you can take some action (e.g. the [TUNE] button).</p>
	<p>To use a slider button you need to touch it with your finger and then slide your finger.</p>



# MIXER PAGE

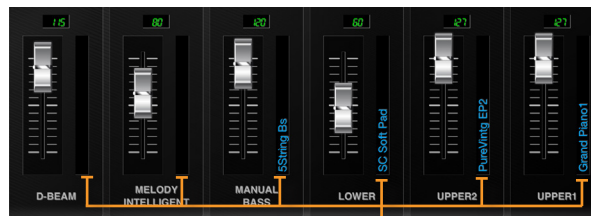


The Mixer page (automatically selected at the startup) allows you to adjust the Volume, reverb, chorus and panpot for each real-time part (UPPER1, UPPER2, LOWER, MANUAL BASS, MELODY INTELLIGENT and D-BEAM). You can set the part ON or OFF.



## Adjusting the Volume for Each Part

1. Use the sliders to adjust the Volume for each real-time part. See *"Slider operation"* (p. 7).



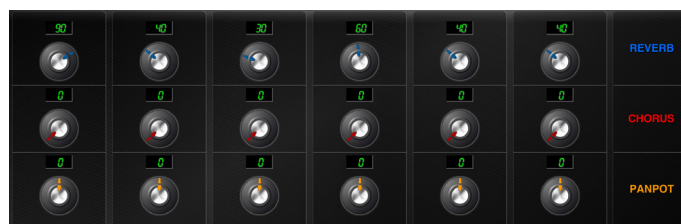
Tones/D-BEAM Function

The tone name for each part is vertically displayed at the left of each slider.

The name of the function assigned to the D-BEAM is vertically displayed at the left of its slider.

## Adjusting the Reverb, Chorus and Panpot for Each Part

1. Use the knobs to adjust the Reverb, Chorus and Panpot. See *"Knob operation"* (p. 7).



## Switching a Part ON/OFF

1. Use the buttons to switch the desired part ON/OFF. See *"Button Operation"* (p. 7).





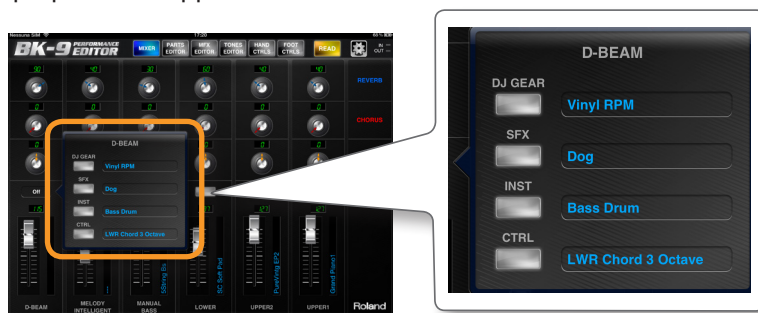
## Switching the D-BEAM part ON/OFF

The D-BEAM part ON/OFF button works slightly different from the others, since you will need to choose your desired type of function [DJ GEAR], [SFX], [INST] and [CTRL].

1. Press the “Off” field to switch the D-BEAM part ON.



A pop-up window appears with four buttons.



Each button represents a family of effects/functions ([DJ GEAR], [SFX], [INST] and [CTRL]).

Each family contains a series of different effects/functions. You can choose one at a time. The currently selected one is displayed in the right-hand fields.

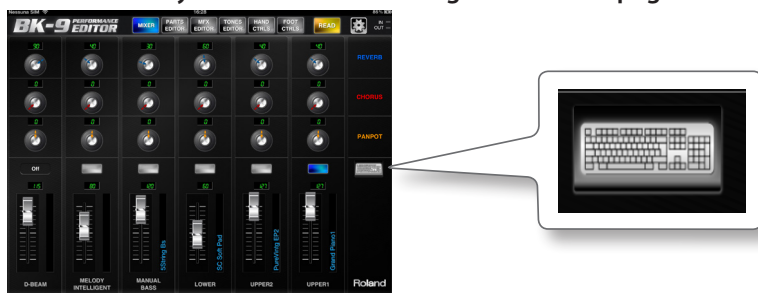
2. Press one of the four D-BEAM buttons.
3. To change the effect/function, touch the field on the right-hand side of the needed D-BEAM family button and select any other one available in the displayed list.

For details see “Using the D-BEAM Controller” in the BK-9 owner’s manual.

## Writing TEXT information

The so-called “BK – TEXT INPUT” function comes in very handy every time you need to smoothly write some kind of text in your BK-9.

1. Press the small keyboard button on the right side of the page.



A full keyboard will appear on your iPad: use it to type any kind of text you need to enter in your BK-9.

2. To exit this function, press either the small keyboard button on the right side of the page again or the key in the bottom right corner.

### Using the READ button

BK-9 Performance Editor and your BK-9 always interact in real time. But if you happen to find that some values are mismatching with each others, don't get puzzled, but simply

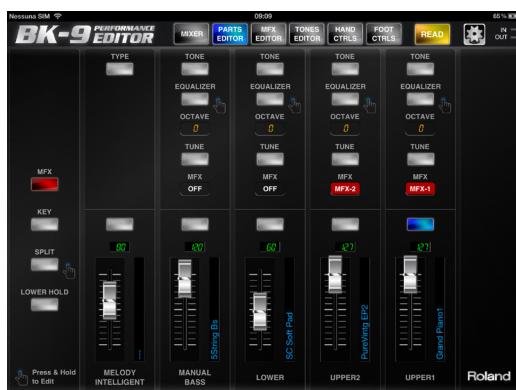
1. Press the READ button on top of the screen page and both your devices will be newly synchronized.



# PARTS EDITOR PAGE



In this page you can change tones and edit the parameters for each real time part.

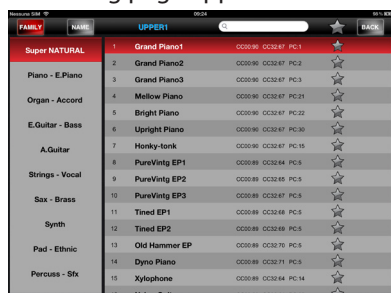


## Changing the Tone for Each Part

1. Press a [TONE] button to open the Tone page of the desired part.



The following page appears:



2. Select the tone you like.

To select your desired tone you can search either by Tone Families (use the [FAMILY] button) or by Tone Names (use the [NAME] button). The chosen tone name is shown vertically at the left of each slider.

Moreover you can mark some of the available Tones as your favorite ones; to do it, just

- a. Press the star icon in the corresponding tone name line.  
The star icon becomes bright. Of course, you can mark several tones as your favorite ones and they can belong to either one or several different families.
- b. Press the [NAME] button and the star icon in the right top corner of the screen page, if you wish to see a list of all your favorite tones and select only one of them.
- c. Press the [FAMILY] button and the star icon in the right top corner of the screen page, if you wish to see a list of all your favorite tones belonging to that precise family and select only one of them.

### NOTE

All favorite Drum Sounds are grouped together at the end of the overall favorite list.

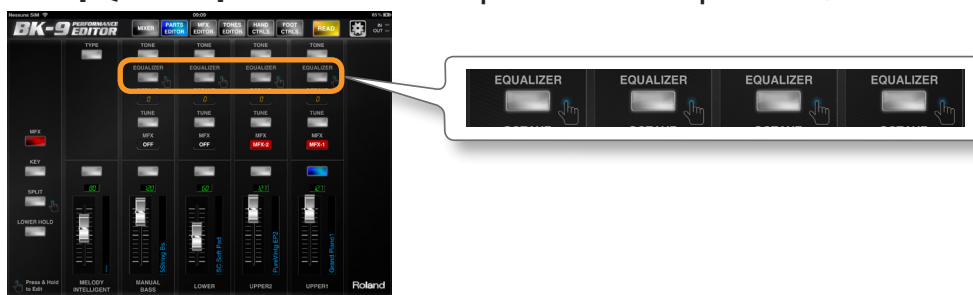
3. Press the [BACK] button to return to the Parts Editor page.

### NOTE

Harmonic bar sounds (i.e. any of the available organ sounds having different footages) are not affected by BK-9 Performance Editor. So, if any of them is selected the related controls are disabled.

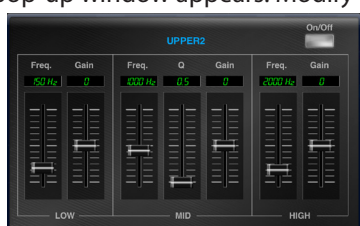
## Changing the Equalizer for Each Part.

1. Press the [EQUALIZER] button of the desired part to switch its equalizer ON/OFF.



2. If you want to edit the parameters of the equalizer, you have to push and hold the [EQUALIZER] button of the desired part.

A pop-up window appears. Modify the equalization setting as you like.



## Changing the Octave for Each Part

1. Press an [OCTAVE] field to transpose the desired part.



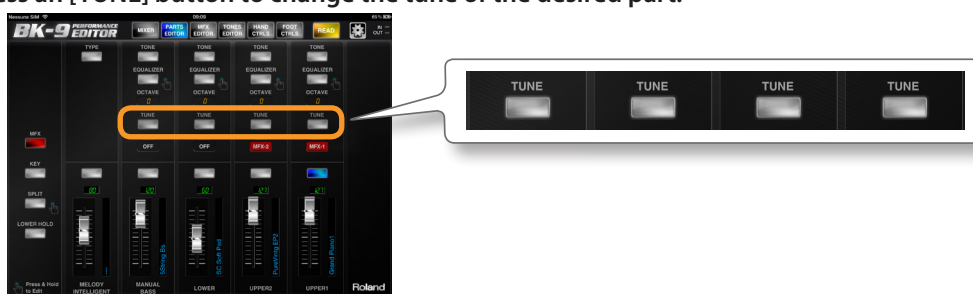
The following pop-up window appears:



2. Use the arrow buttons to select the desired octave setting.

## Changing the Tune for Each Part

1. Press an [TUNE] button to change the tune of the desired part.



The following pop-up window appears:

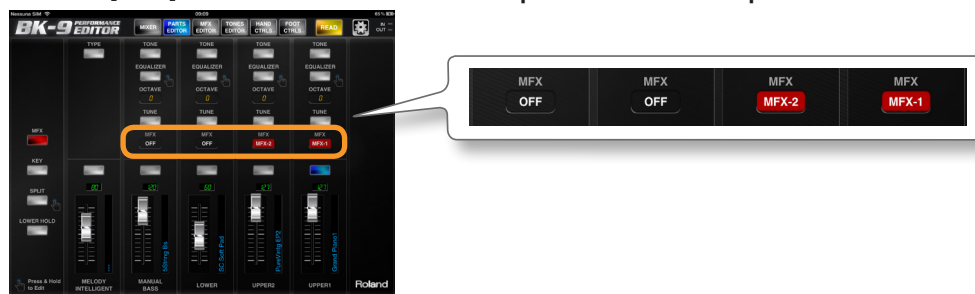


2. Use the knobs to change the Coarse and Fine Tune.

## Selecting an MFX to Process the Desired Part

The BK-9 contains two multi-effect processors (MFX).

1. Press an [MFX] field to select which MFX will process the desired part.



The following pop-up window appears:

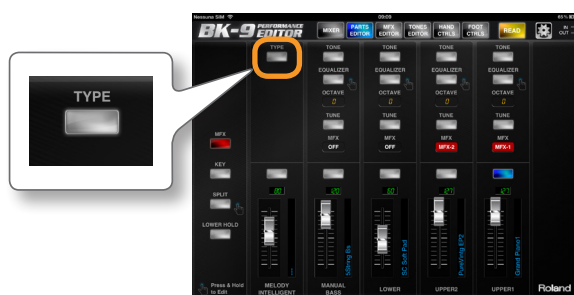


2. Select the desired MFX for the selected part.  
Select "OFF" for parts that don't need to be processed by any MFX.
3. Press the [MFX] button to enable (lights) or disable the multi-effects processor overall.



## Changing the Melody Intelligent Type

1. Press the [TYPE] button to open the "MELODY INTELLIGENT" pop-up window.



The following pop-up window appears:



Now you can set a series of different parameters. For details see "Melody Intelligent parameters" in the BK-9 owner's manual.

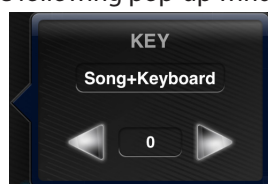
### Transposing to a different Key

Depending on the mode setting, this transposition applies to either all sections or just a specific setting.

1. Press the [KEY] button to open the “KEY” pop-up window.



The following pop-up window appears:



2. Select which parts should be affected: “Keyboard”, “Song”, “Song + Keyboard”.
3. Use the arrow buttons to select the desired “Key” setting.

### Playing Different Voices with the Left and Right Hands (SPLIT)

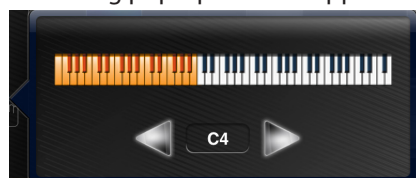
1. Press the [SPLIT] button.



The BK-9 is now in Split mode.

2. If you want to change the split point to a different note from the default setting, press and hold the [SPLIT] button.

The following pop-up window appears:



3. Use the arrow buttons to set your desired split point.

### Lower Hold function

This parameter allows you to set the Hold function for the Lower part.

1. Press the [LOWER HOLD] button.

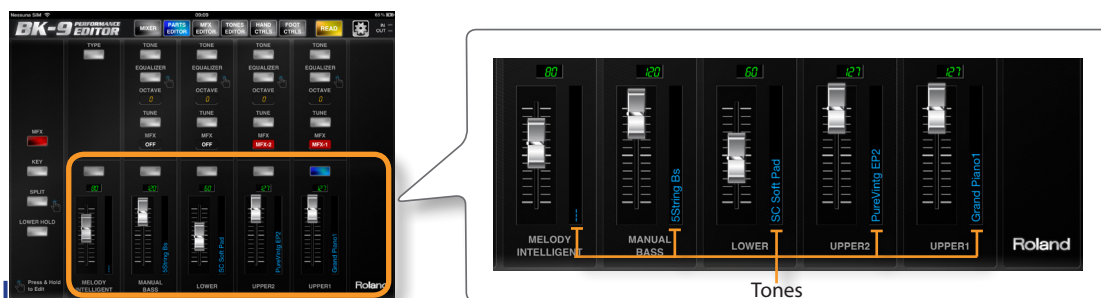




If this parameter is "ON" the notes of the Lower part go on sounding until you play other notes in the left keyboard area. (This function is only available while the [SPLIT] button lights.)

## Adjusting the Volume for Each Part

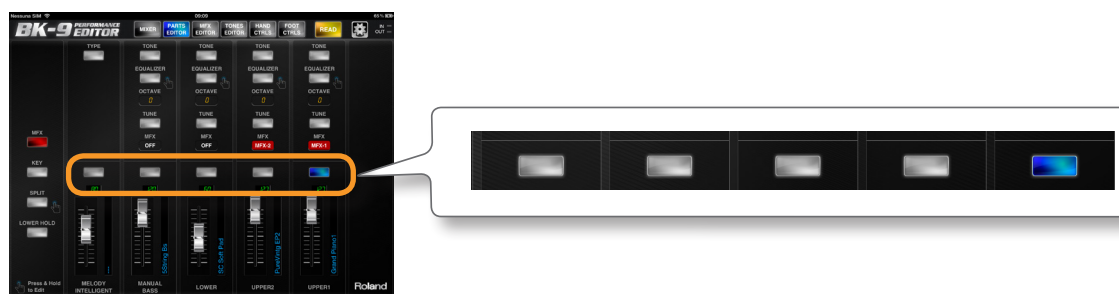
1. Use the sliders to adjust the Volume for each real-time part. See *"Slider operation"* (p. 7).



The tone name for each part is vertically displayed at the left of each slider.

## Switching a Part ON/OFF

1. Use the buttons to switch the desired part ON/OFF. See *"Button Operation"* (p. 7).



# MFX EDITOR PAGE

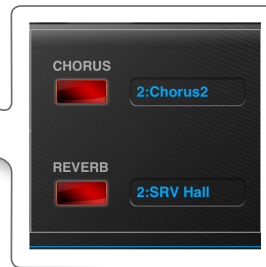


In this page you can control and edit the multi-effect processors (MFX1 and MFX2) provided in BK-9 for processing tones and real time keyboard parts. You can also edit reverb and chorus.



## Editing and controlling the Chorus / Reverb effect

1. Press the CHORUS / REVERB button to enable the corresponding effect (it lights red).



2. Press the corresponding name field.



In the above example we selected the chorus effect.

The CHORUS EDIT / REVERB edit page appears enabling you to make your own settings.

For details, see the "Reverb" and "Chorus" parameters, in the paragraph "Tone Part Effects parameters" of BK-9 Owner's Manual.

3. To choose a different Chorus / Reverb type, press the field (orange background). A drop down menu appears to make your choice.

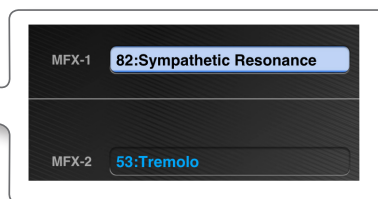


4. Use the Chorus Send / Reverb send knobs to set the amount of effect that should be added. For each multi-effect processors (MFX1, MFX2) you can set it separately.



## Editing and controlling MFX1 and MFX2

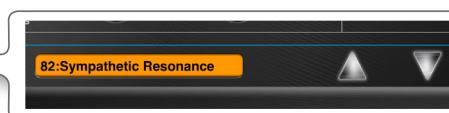
1. Press either the MFX1 or the MFX2 name field to select one of the two multi-effect processors.



2. To choose any of the 84 available multi-effect types, press the field in the central page area (orange background). A drop down menu appears to make your choice.



Alternatively, you can scroll the effect types using the up/down arrow buttons beside on the left of the effect name field.



3. Set the ON / BYPASS selectors to "BYPASS" to hear the dry sound (without any effect).



### How to control some effects using the MFX1 and MFX2 sliders

BK-9 enables you to control some effects by using the MFX1 and MFX2 sliders located under the display area. Indeed every effect type is characterised by its own parameters, which you can handily control by these two sliders during your performance in real time.

1. Press any of the two [Controls] buttons to open a pop-up window related to the multi-effect processor (MFX1 or MFX2) you want to control.



The following pop-up window appears:



Now you can control up to four parameters over two sliders.

2. You can assign the chosen parameters either to the MFX1 or to the MFX2 slider; alternatively, select “Off” to avoid any assignment.

Moreover, for every parameter you can set the effect range you wish to control using the assigned sliders.

For further details about all possible settings, see “Mfx(1) Controls”, in the paragraph “Tone Part Effects parameters” of BK-9 Owner’s Manual.

# TONES EDITOR PAGE



The Tone Edit function lets you comfortably adjust the distinctive parameters of most tones available in BK-9.



The TONE EDITOR page shows four separate areas corresponding to the four keyboard real-time parts: Upper 1, Upper 2, M.Bass, Lower.

**1. Use the knob and slider controls inside every area to adjust the parameters of the tone selected for every part.**

The typical tone parameters are: Cut Off, Resonance, Attack, Decay, Release, Vibrato Rate, Vibrato Depth, Vibrato Delay, C1. For further details about all possible parameter settings, see "Tone Edit" in BK-9 Owner's Manual.

## NOTE

SuperNATURAL tones feature their own peculiar parameters.

For details about all their possible settings, see BK-9 "SuperNATURAL INST Parameters" in the "Tone & Drum Kit List" supplementary manual. Download it from the Web <http://www.roland.com/manuals/>.

## NOTE

This function does not affect Harmonic Bar sounds.

# HAND CONTROLS PAGE



This page collects all those functions involving hand controllers, like Pitch Bend/Modulation lever as well as the Assignable Switches. Of course, you can make separate settings for every real time keyboard part.



## How to control Portamento

1. Use the slider switch and knob to set the Portamento Mode and Time for any part you wish.



## How to set the Pitch Bender

1. Use the slider switch and knob to choose your desired pitch bender assignment and the corresponding range for any part you wish.



## How to assign Modulation

1. Use the slider switches to specify how any part you wish should respond to modulation messages (CC01).



## How to make the Sliders CC1, CC2, CC3 control sounds

1. Press the CC1, CC2 or CC3 field and choose the fundamental sound elements you wish to assign to any of these three sliders located under the display area.  
If you do not need this kind of control during your performance, choose "OFF".





## How to assign functions to the S1, S2, S3, S4 switches

BK-9 has four assignable switches. You can use them to directly access frequently used functions that are only available via the function menu.

1. Press the S1, S2, S3, S4 fields on your iPad to choose the function you wish to assign to any of these four switches. If you do not need any direct access to this kind of controls during your performance, choose "OFF".



For further details about all possible settings concerning all the above described "Hand Controls", see "Tone Part View' parameters" in BK-9 Owner's Manual.



This page collects functions involving some foot controllers, such as Expression Pedal (e.g. Roland EV-5) and Pedal switches (e.g. Roland DP-series or BOSS FS-5U). Of course, you can make separate settings for every real time keyboard part.



## How to control the Expression Pedal

The expression pedal allows you to control the volume of all BK-9 real-time parts by foot, if this comes in handy during your performance.

1. Use the slider switch to set Expression Pedal on / off.
2. Use the knobs to set the “Up” (highest volume) and “Down” (lowest volume) values of your Expression Pedal, as you wish.



For details see “Expression Pedal”, in the paragraph “Tone Part View parameters” of BK-9 Owner’s Manual.

## How to control the Hold Pedal function

If you connect an optional pedal switch to BK-9 PEDAL HOLD jack, the notes played on the real-time parts will be held.

1. Use the slider switches to choose your desired setting.



For details see “Hold Pedal”, in the paragraph “Tone Part View parameters” of BK-9 Owner’s Manual.